

## WHAT IS CLAIMED IS:

1. A memory for storing data for access by an application program executed by a computer for obtaining IRDB information for a mobile communication device in a multi-service telecommunication service provider environment, comprising:

a table stored in the memory, the table containing a plurality of ESN features associated with mobile telecommunication devices for a plurality of wireless markets, the ESN features being compared with an ESN acquired from a mobile communication device in a multi-service telecommunication service provider network for determining an up-to-date IRDB template to be downloaded to the mobile communication device.

2. The memory of claim 1, wherein the ESN features further comprises capabilities of the mobile communication device selected from the group consisting of single band, dual band, IRDB capability, over the air programmability, mobile origination, and manufacturer

3. The memory of claim 1, further comprising an MIN associated with the mobile communication device.

4. The memory of claim 3, wherein the MIN value provides wireless mobile communication system information about a wireless market that the mobile communication device is currently operating in.

5. The memory of claim 4, wherein the wireless mobile communication system information further comprises information selected from the group consisting of type of system from which the mobile communication device is homed, operation over an "A" band, operation over a "B" band, operation over a "PCS" band, SOC locked status, wireless market location the mobile communication device is operating in, and point code of an HLR.

6. The memory of claim 1, further comprising an NPA/NXX value associated with the mobile communication device.

7. The memory of claim 6, wherein the NPA/NXX value includes a wireless market prefix in which the mobile communication device is operating.

8. The memory of claim 7, wherein the NPA/NXX value provides information to assist in determining the IRDB template to download to the mobile communication device.

9. The memory of claim 6, wherein the NPA/NXX value is associated with a particular IRDB template for the mobile communication device.

10. The memory of claim 1, further comprising a message tracker for storing the up-to-date IRDB template.

11. An apparatus for obtaining IRDB information for a mobile communication device in a multi-service telecommunication service provider environment, the apparatus comprising:

means for containing a plurality of ESN features associated with mobile telecommunication devices for a plurality of wireless markets, the ESN features being compared with an ESN acquired from a mobile communication device in a multi-service telecommunication service provider network for determining an up-to-date IRDB template to be downloaded to the mobile communication device.

12. An apparatus for obtaining IRDB information for a mobile communication device in a multi-service telecommunication service provider environment, the apparatus comprising:

means for receiving an ESN from a mobile communication device;

2022059408007

means for querying a table containing a plurality of features associated with a mobile telecommunication devices for a plurality of wireless markets in accordance with the ESN received from the mobile communication device; and

means for selecting an IRDB template from an IRDB database based on the ESN received from the mobile communication device and the features contained in the table.

13. An apparatus for obtaining correct IRDB information for a mobile communication device in a multi-service telecommunication service provider environment, the apparatus comprising:

means for receiving a registration notification message from a mobile communication device;

means for querying a table containing a plurality of features associated with a mobile telecommunication devices for a plurality of wireless markets in accordance with the ESN received from the mobile communication device;

means for selecting an IRDB template from an IRDB database based on the value of the ESN received from the mobile communication device and the features contained in the table; and

means for downloading the IRDB template to the telecommunication device.

14. An apparatus for obtaining correct IRDB information for a mobile communication device in a multi-service telecommunication service provider environment, the apparatus comprising:

means for querying a table containing a plurality of features associated with a mobile telecommunication devices for a plurality of wireless markets in accordance with the ESN received from the mobile communication device;

means for selecting an IRDB template from an IRDB database based on the value of the ESN received from the mobile communication device and the features contained in the table; and

means for downloading the IRDB template to the telecommunication device.

10080765-02202

15. A method for obtaining IRDB information for a mobile communication device in a multi-service telecommunication service provider environment, the method comprising:

receiving an ESN from a mobile communication device;

querying a table containing a plurality of features associated with a mobile telecommunication devices for a plurality of wireless markets in accordance with the ESN received from the mobile communication device; and

selecting an IRDB template from an IRDB database based on the ESN received from the mobile communication device and the features contained in the table.

16. The method of claim 15, wherein querying a table further comprises querying an ESN market template database.

17. The method of claim 15, wherein querying a table further comprises querying ESN ranges.

18. The method of claim 15, wherein querying further comprises querying MIN values.

19. The method of claim 15, wherein querying further comprises querying NPA/NXX values.

20. The method of claim 15, further comprising comparing the features with an ESN acquired from a mobile communication device in a multi-service telecommunication service provider network for determining an up-to-date IRDB template for mobile communication device.

21. The method of claim 15, further comprising downloading the IRDB template to the telecommunication device.

22. A method for obtaining correct IRDB information for a mobile communication device in a multi-service telecommunication service provider environment, the method comprising:

10030765-02202

receiving a registration notification message from a mobile communication device;  
querying a table containing a plurality of features associated with a mobile telecommunication devices for a plurality of wireless markets in accordance with the ESN received from the mobile communication device;

selecting an IRDB template from an IRDB database based on the value of the ESN received from the mobile communication device and the features contained in the table; and  
downloading the IRDB template to the telecommunication device.

23. The method of claim 22, wherein querying a table further comprises querying an ESN market template database.

24. The method of claim 22, wherein querying a table further comprises querying ESN ranges.

25. The method of claim 22, wherein querying further comprises querying MIN values.

26. The method of claim 22, wherein querying further comprises querying NPA/NXX values.

27. The method of claim 22, further comprising comparing the features with an ESN acquired from a mobile communication device in a multi-service telecommunication service provider network for determining an up-to-date IRDB template for mobile communication device.

28. A method for obtaining correct IRDB information for a mobile communication device in a multi-service telecommunication service provider environment, the method comprising:

querying a table containing a plurality of features associated with a mobile telecommunication devices for a plurality of wireless markets in accordance with the ESN received from the mobile communication device;

selecting an IRDB template from an IRDB database based on the value of the ESN received from the mobile communication device and the features contained in the table; and downloading the IRDB template to the telecommunication device.

202220"5940800T  
10080765.02200